Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEN	COMMERCE MARK OFFICE	ATTY DOCKET	NO. 251052US96		SERIAL N	10. 10/828479 VAPPLICATION	
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Zr	AA	4,177,285	12-04-79	Cragoe, Jr. et al					\Box
27	AB	3,794,734	02-26-74	Cragoe, Jr. et al	•				╗
27	AC	3,864,401	02-04-75	Schultz et al.					
21	AD	3,914,253	10-21-75	Cragoe, Jr. et al		-			
21	AE	3,929,872	12-30-75	Cragoe, Jr. et al					7
2	AF	3,931,239	01-06-76	Cragoe, Jr. et al					ᅦ
21	AG	3,953,476	04-27-76	Cragoe, Jr. et al					\exists
2T	АН	3,966,966	06-29-76	Cragoe, Jr. et al					\dashv
3	Al	4,006,180	02-01-77	Cragoe, Jr. et al					╗
ZT	AJ	4,012,524	03-15-77	Cragoe, Jr. et al					┪
27	AK	4,159,279	06-26-79	Smith et al.			-		
ZT	AL	4,163,781	08-07-79	Cragoe, Jr. et al		=			7
2	AM	4,163,794	08-07-79	Cragoe, Jr. et al	· ·				┪
25	AN	4,085,219	04-18-78	Cragoe, Jr. et al					ᅦ
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子	AW	R. Tarran et al., <u>The CF</u> 158, July 2001.	Salt Controv	ersy: In Vivo Ob	servations and Therape	eutic Appro	oaches, Mo	ecular Cell, Vol. 8, 14	19-
3	AX	Michael R. Knowles et a Pulmonary Disease, Cha	I., <u>Amiloride</u> apter 20, pag	in Cystic Fibrosis le 301-316./99	: Safety, Pharmacokine	etics, and	Efficacy in 1	the Treatment of	
2	AY	Louis Simchowitz et al.,	An Overview	of the Structure	Activity Relations in the	Amiloride	Series, Ch	napter 2, page 9-25. 1992	
21	AZ	J.R. Sabater et al., Aeros Physiological Society, pa	solization of age 2191-21	P2v2-Receptor A 96. /999	gonists Enhances Mucc	ociliary Cle	arance in	Sheep, The American	
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*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)	-	U.S. DEPARTMENT OF PATENT AND TRADEN	COMMERCE IARK OFFICE	ATTY DOCKET NO. 251052US96		SERIAL NO). 10/828 47° APPLICATION_	
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24	AA	4,025,625	05-24-77	Rooney et al.				
27	AB	4,196,292	04-01-80	Woltersdorf, Jr. et al.				
21	AC	4,087,526	05-02-78	Cragoe, Jr. et al.				
21	AD	4,087,542	05-02-78	Cragoe, Jr. et al.			·	
24	AE	4,092,414	05-30-78	Cragoe, Jr. et al.	-		,	
27	AF	4,100,294	07-11-78	Cragoe, Jr. et al.				
21	AG	4,105,769	08-08-78	Rooney et al.				
24	AH	4,140,776	02-20-79	Cragoe, Jr. et al.				
25	Al	4,145,551	03-20-79	Cragoe, Jr. et al.			,	
2	AJ	4,181,727	01-01-80	Cragoe, Jr. et al.				
21	AK	4,237,130	12-02-80					
21	AL	4,237,144	12-02-80	Cragoe, Jr. et al.	-			
21	AM	4,277,602	07-07-81	Woltersdorf et al.	<u> </u>			
2	AN	4,291,050	09-22-81	——————————————————————————————————————			· · · · · ·	
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BY	AW	Thomas R. Kleyman et a Biology, Vol. 105, pages		and its Analogs as Tools in the Study o	f Ion Trans	part, The Jo	oumal of Membrane	
2	AX	Edward C. Taylor et al.,	A Facile Roi	ite to "Open Chain" Analogues of DDAT	HF, Heter	ocycles, Vol.	28, No. 2, 1989.	
2	AY	Paul-Michael Windschei pages 87-92, January 19		tituted Dipyridlethenes and -ethynes and	d Key Pyric	line Building	Blocks, Synthesis,	
27	AZ	Edward J. Cragoe, Jr., I	he Synthesi	s of Amiloride and Its Analogs, page 24-	38, Chapte	er 3. /992		
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LIST OF	REFEF	RENCES CITED BY APPL	ICANT	Michael	R. JOH				
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27	AA	4,003,927	01-18-77	Woltersdorf, Jr. et al.					
21	AB	4,296,122	10-20-81	Cragoe, Jr. et al.					
21	AC	4,317,822	03-02-82	Woltersdorf, Jr. et al.					
21	AD	4,362,724	12-07-82	Bock et al.					
21	AE	4,401,669	08-30-83	Cragoe, Jr. et al.					
21	AF	3,974,212	08-10-76	Cragoe, Jr. et al.		F			
27	AG	3,984,465	10-05-76	Cragoe, Jr. et al.					
21	AH	3,984,552	10-05-76	Cragoe, Jr. et al.	-				
21	Al	4,067,980	01-10-78	Cragoe, Jr. et al.					
27	AJ	4,085,117	04-18-78	Cragoe, Jr. et al.	 				
2T	AK	4,085,211		Cragoe, Jr. et al.					
21	AL	4,246,406	01-20-81	Cragoe, Jr. et al.					
21	AM	3,472,848		Edward J. Cragoe, Jr. et al.					
21	AN	3,544,571		Edward J. Cragoe, Jr., et al.	 	-			
27	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0,044,071							
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37 37	AQ AR AS AT AU AV AW	Jack H. Li, et al., Stereo Pharmacology and Experimental Pallav L. Shah, M.D., Chedicinal Chemistry, Volume World World Palla, Fibrosis Patients, The June Pharmacology Pharmacology Pallants	selective Blo erimental The papter 7. Pro il. 36, pages Effects of Re ournal of Clir	ckage of Amphibian Epithelial Sodium Carapeutics, Vol. 267, No. 3, pages 1081- coress in the Treatment of Pulmonary Di 67-76, 2001. Educed Mucus Oxygen Concentration in inical Investigation, February 2002, Volun	Channels b 1084, 1990 isease in C Airway Psi ne 109, Nu Medicinal	y Amiloride 3. Cystic Fibros audomonas imber 3, par Chemistry,	lis, Annual Reports in Infections of Cystic ges 317-336.		
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF PATENT AND TRADEM	COMMERCE MARK OFFICE	ATTY DOCKET	NO. 251052U\$96		SERIAL N	O. 10/828, 479 VAPPLICATION
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
25	AA	3,991,106	11-09-76	Cragoe, Jr., et a	31.			
ET	AB	3,991,087	11-09-76	Cragoe, Jr. et a	1.			
21	AC	3,989,749	11-02-76	Cragoe, Jr. et a	1.			
21	AD	3,987,091	10-19-76	Cragoe, Jr. et a	1.			
TT	ΑE	3,979,361	09-07-76	Schultz et al.		T		
2	AF	3,976,686	08-24-76	Cragoe, Jr. et a	l.	1		
27	AG	3,976,681	08-24-76	Cragoe, Jr. et a	l.			
21	AH	3,958,004	05-18-76	Cragoe, Jr. et a	l.	1 —		
31	Al	3,956,374	05-11-76	Shepard et al.				
ZT	AJ	3,928,624	12-23-75	Cragoe, Jr. et a	l.	T		
21	AK	3,894,065	07-08-75	Cragoe, Jr. et a	I.	┪—		
21	AL	3,668,241	06-06-72					
21	AM	3,625,950	12-07-71	Edward J. Crag	oe. Jr.	 		
21	AN	4,298,743	11-03-81					
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ट्टा	AW	Edward J. Cragoe, Jr., e						1965, page 67-77.
2	AX	Robert L. Smith, et al., ©	chapter 8: D	iuretics, Annual I	Reports in Medicinal Cl	hemistry, V	olume 11, p	pages 71-79, 1976.
子	AY	Robert L. Smith, et al., Ç	Chapter 7: D	iuretics, Annual I	Reports in Medicinal Cl	hemistry, V	olume 13, p	pages 61-70, 1978.
ZT	AZ	Edward J. Cragoe, Jr., S Laboratories, 1979, page		vity Relationship	s in the Amiloride Serie	es, Merck S	Sharp and D	Oohme Research
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2+	AA	3,313,813	04/11/67	Cragoe					
24	AB	3,573,306	03/30/71	K.L. Shepared	et al.			• · · · · · · · · · · · · · · · · · · ·	
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37	AW	J. B. BICKING, et al., J. I HALOPYRAZINECARBO	Med. Chem.	, vol. 8, no. 5, pp	<u> </u>			IDINO-3-6-	
27	AX	R. F. EPAND, et al., Briti RESISTANCE IN CHINE						NSIC MULTIDRUG	
4	AY	T. M. COCKS, et al., Brit	ish Journal	of Pharmacology	, vol. 95, no. 1, pp. 67	-76, 1988.			
21	AZ	T. R. KLEYMAN, et al., A	merican Jo	umal of Physiolo	gy, vol. 260, no. 2, Pt.	1, pp. C271	I-C276, 199	11.	
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